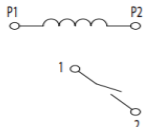
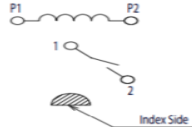
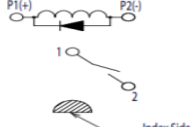
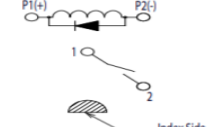
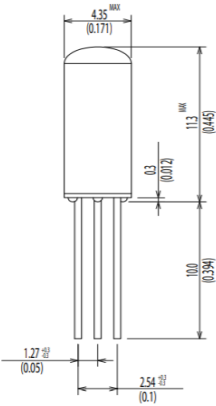
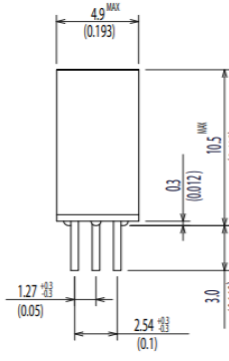
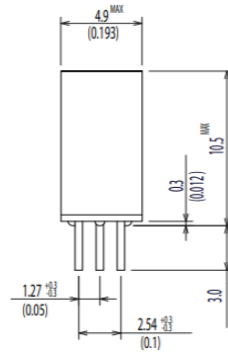
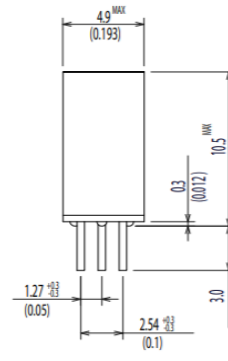
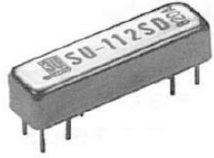
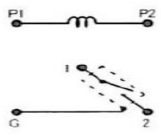
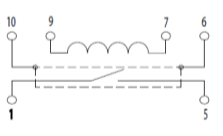
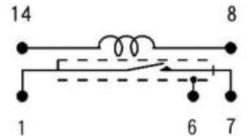
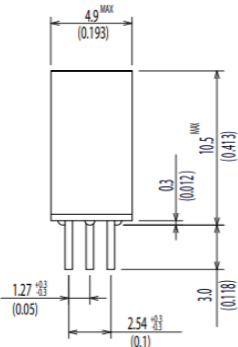
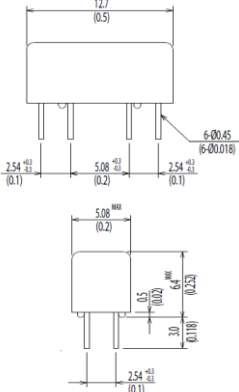
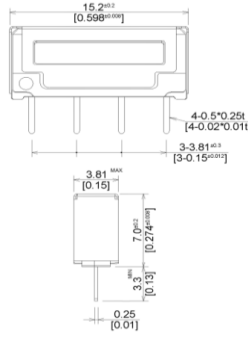
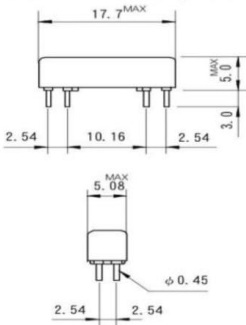
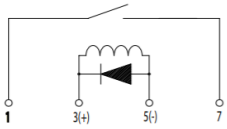
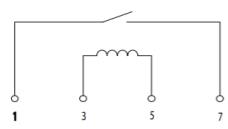
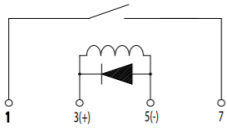
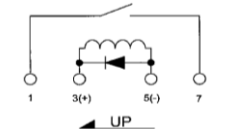
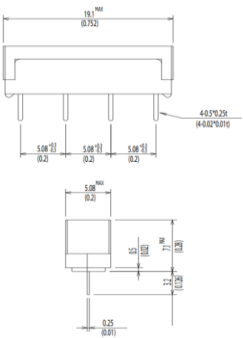
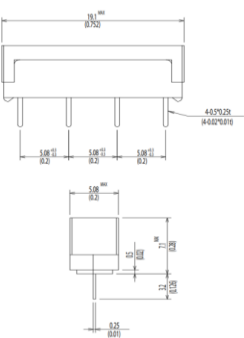
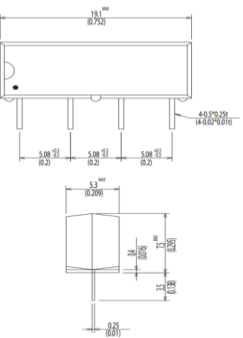
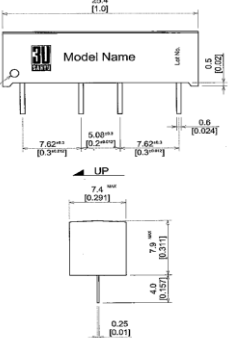
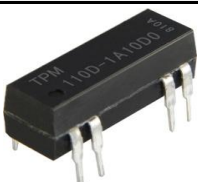
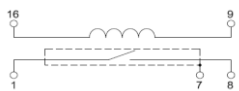
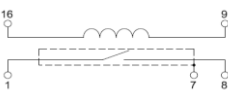
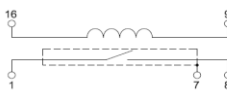
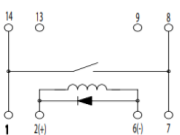
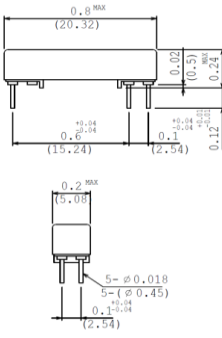
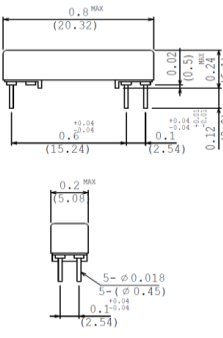
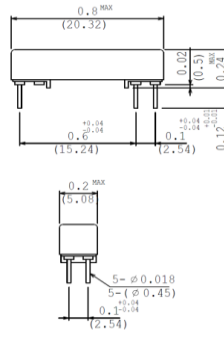
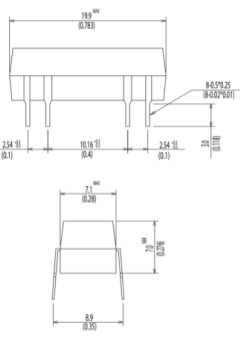
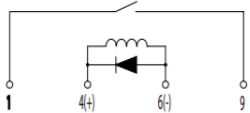
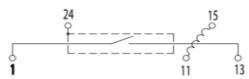
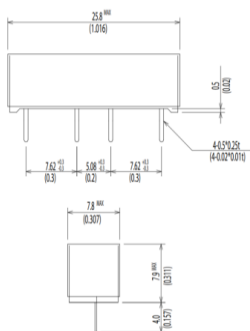
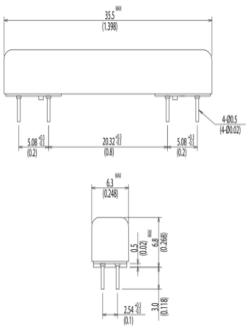
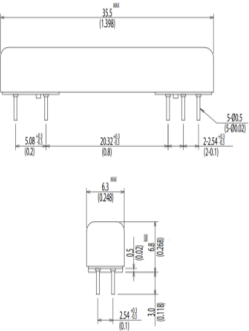
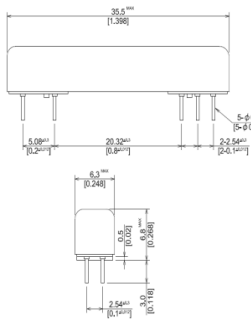


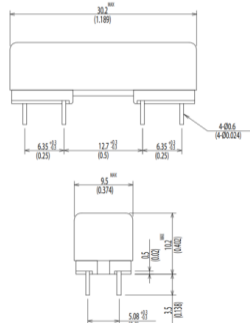
TPM Part / No.		5D-1A10N0(5V)	6D-1A10N0(5V) 6D-1A20N0(12V)	6D-1A10D0(5V) 6D-1A20D0(12V)	
SANYU Part / No.		MF-105NL(5V)	MFS-105N(5V) MFS-112N(12V)	MFS-105D(5V) MFS-112D(12V)	MFS-E105D(5V) MFS-E112D(12V)
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		4.3 x 4.3 x 11.3	4.9 x 4.9 x 10.5	4.9 x 4.9 x 10.5	4.9 x 4.9 x 10.5
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	5 V / 150Ω	5 V / 150Ω 12 V / 600Ω	5 V / 150Ω 12 V / 600Ω	5 V / 150Ω 12 V / 600Ω
	Contact Rating	5 W	5 W	5 W	10 W
	Contact Current	0.2 Amp	0.2 Amp	0.2 Amp	0.5 Amp
	Carry Current	0.75 Amp	0.75 Amp	0.75 Amp	1.0 Amp
	Switching Voltage	50 VDC	50 VDC	50 VDC	100 VDC
	Contact Voltage	150 VDC	150 VDC	150 VDC	250 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.
	Operate Time	0.3 mS	0.3 mS	0.3 mS	0.3 mS
	Release Time	0.3 mS	0.3 mS	0.3 mS	0.3 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)
High-frequency response			2.0GHz @ -3dB	2.0GHz @ -3dB	2.0GHz @ -3dB
外觀尺寸	DIMENSION				

TPM Part / No.			7D-1A12N0(5V) 7D-1A22N0(12V)	101E-1A10N2(5V) 101E-1A20N2(12V)	
SANYU Part / No.			MFS-E105G(5V) MFS-E112G(12V)	JS-105S-02(5V) JS-112S-02(12V)	SU-105S(5V) SU-112S(12V)
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm			4.9 x 4.9 x 10.5	12.7 x 5.0 x 6.4	15.2 x 3.8 x 7.0
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form		1 Form A	1 Form A	1 Form A
	Coil Rating Voltage		5 V / 150Ω 12 V / 600Ω	5 V / 160Ω 12 V / 600Ω	5 V / 500Ω 12 V / 800Ω
	Contact Rating		10 W	5 W	30 W
	Contact Current		0.5 Amp	0.2 Amp	0.5 Amp
	Carry Current		1.0 Amp	0.75 Amp	1.3 Amp
	Switching Voltage		100 VDC	50 VDC	200 VDC
	Contact Voltage		250 VDC	150 VDC	250 VDC
	Contact Resistance		150 mΩ	150 mΩ	100 mΩ
	Insulation Resistance		10 ¹⁰ Ω min.	10 ¹⁰ Ω min.	10 ¹² Ω min.
	Operate Time		0.3 mS	0.3 mS	0.3 mS
	Release Time		0.3 mS	0.1 mS	0.15 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life			DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 1500×10 ⁶ (R負荷)
High-frequency response			2.0GHz @ -3dB		
外觀尺寸	DIMENSION				
					

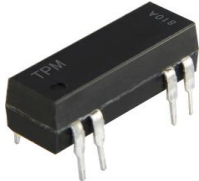
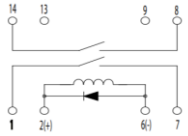
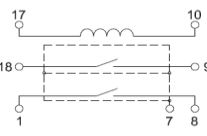
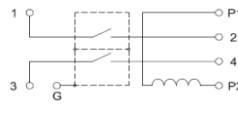
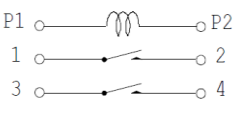
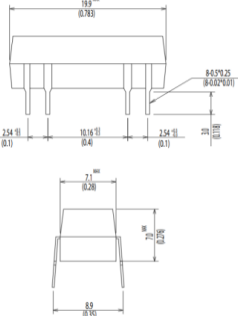
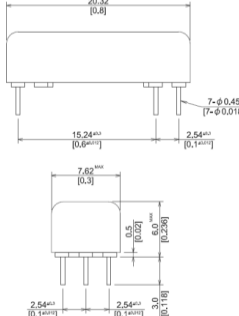
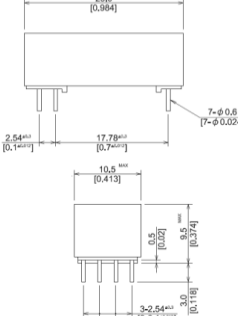
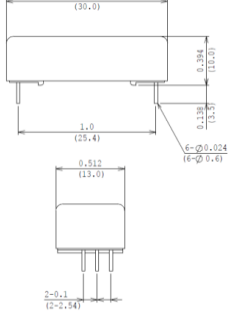
TPM Part / No.		102R-1A20D2-40(12V)	102E-1A10N2(5V) 102E-1A20N2(12V)		
SANYU Part / No.				J-105XD(5V)	J-14324YAD(24V)
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		19.1 x 5.0 x 7.1	19.1 x 5.0 x 7.1	19.1 x 5.3 x 7.0	25.4 x 7.4 x 7.9
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	12 V / 1000Ω	5 V / 500Ω 12 V / 1000Ω	5 V / 500Ω	24 V / 1440Ω
	Contact Rating	10 W	30 W	10 W	50 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	1.0 Amp
	Carry Current	1.6 Amp	1.3 Amp	1.0 Amp	5.2 Amp
	Switching Voltage	200 VDC	200 VDC	100 VDC	500 VDC
	Contact Voltage	300 VDC	300 VDC	200 VDC	2000 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	100 mΩ
	Insulation Resistance	10 ¹² Ω min.	10 ¹² Ω min.	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.
	Operate Time	0.35 mS	0.3 mS	0.5 mS	2.0 mS
	Release Time	0.25 mS	0.2 mS	0.5 mS	2.0 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1500×10 ⁶ (R負荷)	DC.1.0V,10mA 1500×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

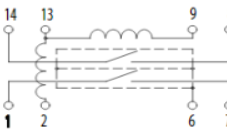
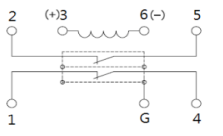
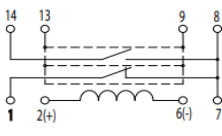
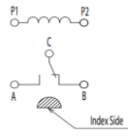
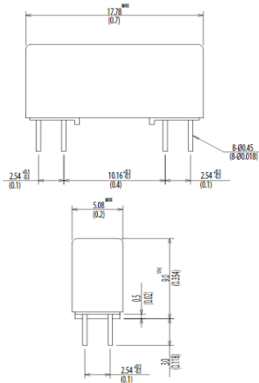
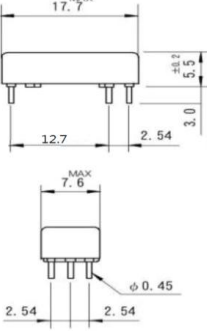
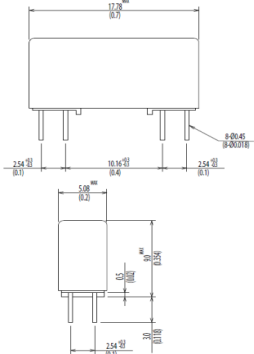
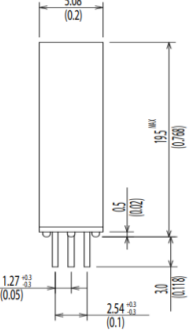
TPM Part / No.		20R-1A11N1(5V) 20R-1A21N1(12V) 20R-1A31N1(24V)		20H-1A11N3-60(5V) 20H-1A21N3-60(12V)	110D-1A10D0(5V) 110D-1A20D0(12V)
SANYU Part / No.			S-E105N(5V) S-E112N(12V)		
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		20.3 x 5.0 x 6.1	20.3 x 5.0 x 6.1	20.3 x 5.0 x 6.1	19.9 x 7.1 x 7.0
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	5 V / 160Ω 12 V / 600Ω 24 V / 1800Ω	5 V / 160Ω 12 V / 600Ω	5 V / 160Ω 12 V / 600Ω	5 V / 500Ω 12 V / 1000Ω
	Contact Rating	10 W	30 W	10 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.3 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	200 VDC	200 VDC	500 VDC	100 VDC
	Contact Voltage	300 VDC	300 VDC	1500 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	200 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹³ Ω min.	10 ¹⁰ Ω min.
	Operate Time	0.35 mS	0.35 mS	0.5 mS	1.0 mS
	Release Time	0.25 mS	0.2 mS	0.2 mS	1.0 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 1500×10 ⁶ (R負荷)	DC.1.0V,10mA 500×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

TPM Part / No.		100H-1A10N2-60(5V) 100H-1A20N2-60(12V) 100H-1A30N2-60(24V)			
SANYU Part / No.		J-19105YK(5V) J-19112YK(12V) J-19124YK(24V)	SL-19105(5V) SL-19112(12V)	SL-19105GB(5V) SL-19112GB(12V)	SL-16305GB-R13(5V) SL-16312GB-R13(12V) SL-16324GB-R13(24V)
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		25.8 x 7.8 x 7.9	35.5 x 6.3 x 6.8	35.5 x 6.3 x 6.8	35.5 x 6.3 x 6.8
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	1 Form A	1 Form A	1 Form A
	Coil Rating Voltage	5 V / 220Ω 12 V / 800Ω 24 V / 3000Ω	5 V / 180Ω 12 V / 1050Ω	5 V / 180Ω 12 V / 1050Ω	5 V / 100Ω 12 V / 550Ω 24 V / 2000Ω
	Contact Rating	100 W	100W	100W	150W
	Contact Current	1.0 Amp	1.0 Amp	1.0 Amp	1.5 Amp
	Carry Current	2.8 Amp	2.5 Amp	2.5 Amp	3.0 Amp
	Switching Voltage	1000 VDC	1000 VDC	1000 VDC	1500 VDC
	Contact Voltage	2500 VDC	1500 VDC	1500 VDC	2000 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹⁰ Ω min.	10 ¹² Ω min.	10 ¹³ Ω min.
	Operate Time	1.0 mS	1.0 mS	1.0 mS	1.0 mS
	Release Time	1.0 mS	1.0 mS	1.0 mS	1.0 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

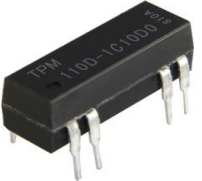
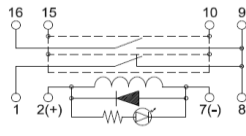
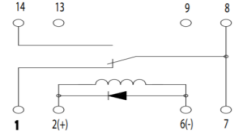
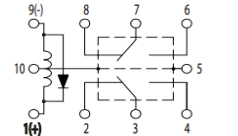
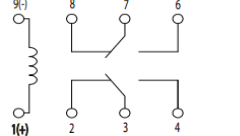
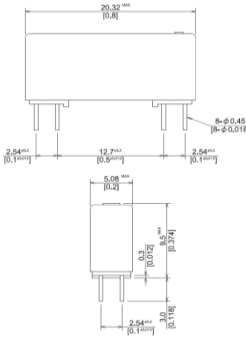
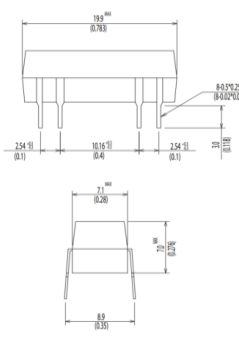
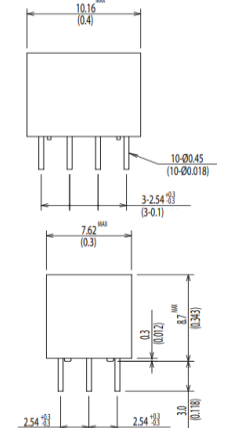
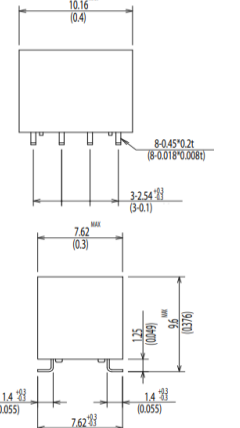
TPM Part / No.				
SANYU Part / No.		UPM-19105YHL(5V) UPM-19112YHL(12V) UPM-19124YHL(24V)		
外觀形狀 Appearance				
尺寸 Size (L×W×H) mm		30.2 x 9.5 x 10.2		
回路接續圖 Figure.(TOP VIEW)				
電氣規格	Contact Form	1 Form A		
	Coil Rating Voltage	5 V / 120Ω 12 V / 600Ω 24 V / 1800Ω		
	Contact Rating	100 W		
	Contact Current	1.0 Amp		
	Carry Current	2.8 Amp		
	Switching Voltage	1000 VDC		
	Contact Voltage	2500 VDC		
	Contact Resistance	150 mΩ		
	Insulation Resistance	10 ¹⁰ Ω min.		
	Operate Time	1.5 mS		
	Release Time	1.5 mS		
	Operating temperature			
	Reflow temperature			
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 100×10 ⁶ (R負荷)		
High-frequency response				
外觀尺寸	DIMENSION			

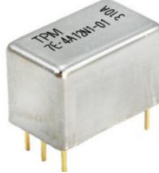
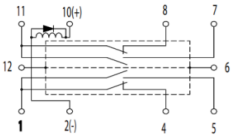
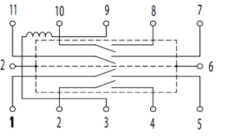
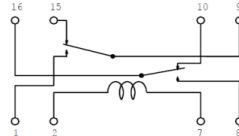
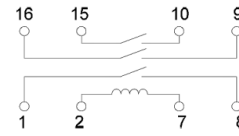
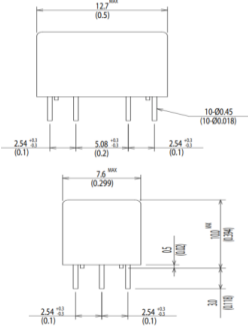
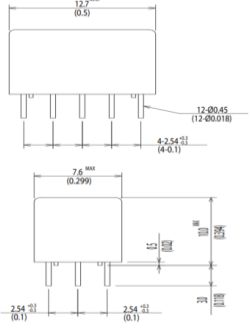
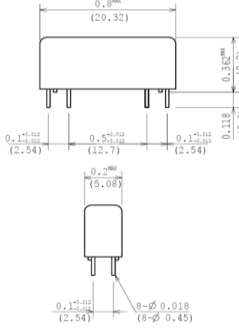
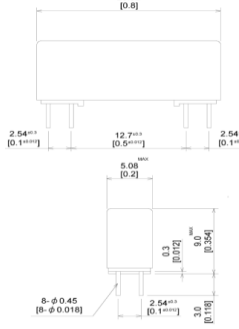
TPM Part / No.					23R-2A10N2(5V) 23R-2A20N2(12V)
SANYU Part / No.		MFS-E2A05N(5V) MFS-E2A12N(12V)	UF-2A05(5V) UF-2A12(12V)	SU-R205S(5V) SU-R212S(12V)	
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		7.6 x 4.9 x 11.0	10.1 x 5.0 x 15.5	17.7 x 7.6 x 5.5	20.3 x 5.0 x 9.0
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	2 Form A	2 Form A	2 Form A
	Coil Rating Voltage	5 V / 110Ω 12 V / 550Ω	5 V / 180Ω 12 V / 680Ω	5 V / 150Ω 12 V / 600Ω	5 V / 175Ω 12 V / 1000Ω
	Contact Rating	10 W	10 W	10 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	200 VDC	200 VDC	200 VDC
	Contact Voltage	200 VDC	200 VDC	250 VDC	250 VDC
	Contact Resistance	170 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.
	Operate Time	0.5 mS	0.5 mS	0.5 mS	0.5 mS
	Release Time	0.5 mS	0.5 mS	0.5 mS	0.15 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 1.5×10 ⁹ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)
High-frequency response		2.0GHz @ -3dB			
外觀尺寸	DIMENSION				

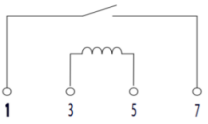
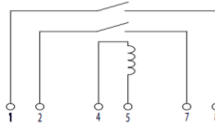
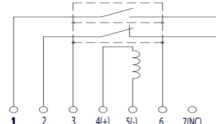
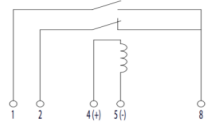
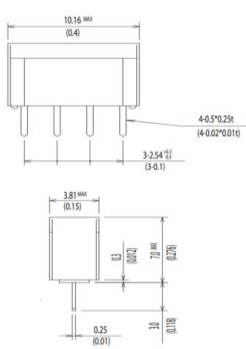
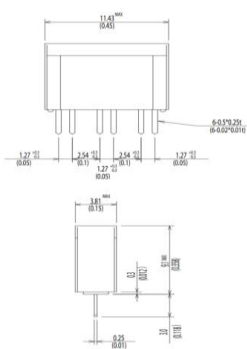
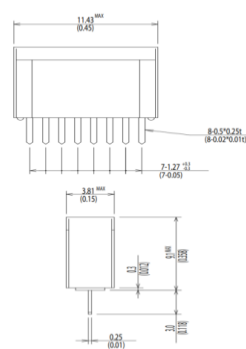
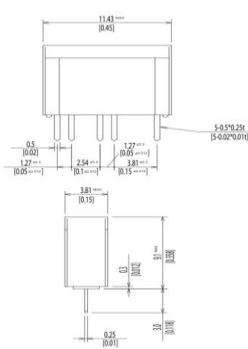
TPM Part / No.		110D-2A10D0(5V) 110D-2A20D0(12V)	20R-2A11N1(5V) 20R-2A21N1(12V) 20R-2A31N1(24V)		51D-2A10N2(5V) 51D-2A20N2(12V) 51D-2A30N2(24V)
SANYU Part / No.				UPM-205CSA(5V) UPM-212CSA(12V) UPM-224CSA(24V)	
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		19.9 x 7.1 x 7.0	20.3 x 7.6 x 6.0	25.0 x 10.5 x 9.5	30.48 x 13.0 x 10.0
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	2 Form A	2 Form A	2 Form A
	Coil Rating Voltage	5 V / 140Ω 12 V / 500Ω	5 V / 150Ω 12 V / 600Ω 24 V / 2000Ω	5 V / 125Ω 12 V / 500Ω 24 V / 2000Ω	5 V / 150Ω 12 V / 750Ω 24 V / 3000Ω
	Contact Rating	10 W	10 W	50 W	50 W
	Contact Current	0.5 Amp	0.5 Amp	1.0 Amp	1.0 Amp
	Carry Current	1.0 Amp	1.6 Amp	2.8 Amp	2.0 Amp
	Switching Voltage	100 VDC	200 VDC	350 VDC	350 VDC
	Contact Voltage	200 VDC	300 VDC	400 VDC	500 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹⁰ Ω min.	10 ¹¹ Ω min.	10 ¹⁰ Ω min.	10 ¹² Ω min.
	Operate Time	1.0 mS	0.5 mS	1.5 mS	1.0 mS
	Release Time	1.0 mS	0.3 mS	1.0 mS	1.0 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 1500×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

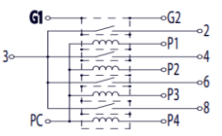
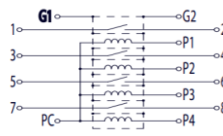
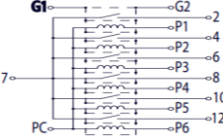
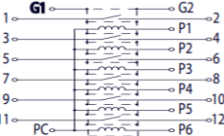
TPM Part / No.					6D-1C10N0-52(5V) 6D-1C20N0-52(12V)
SANYU Part / No.		SUH-2205G(5V) SUH-2212G(12V)	SU-B205S(5V)	SUT-1T05ND(5V) SUT-1T12ND(12V)	
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		17.7 x 5.08 x 9.0	17.7 x 7.6 x 5.5	17.78 x 5.08 x 9.0	5.08 x 5.08 x 19.5
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form A	2 Form B	1 Form C (1A+1B)	1 Form C
	Coil Rating Voltage	5 V / 200Ω 12 V / 600Ω	5 V / 150Ω	5 V / 70Ω 12 V / 400Ω	5 V / 120Ω 12 V / 500Ω
	Contact Rating	10 W	10 W	10 W	3 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.2 Amp
	Carry Current	1.0 Amp	1.0 Amp	1.0 Amp	0.5 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	100 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹⁰ Ω min.
	Operate Time	0.35 mS	0.5 mS	1.0 mS	1.0 mS
	Release Time	0.2 mS	0.5 mS	1.0 mS	2.0 mS
	Operating temperature				-40°C to +125°C
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 50×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸 DIMENSION					

TPM Part / No.				20D-1C10N1(5V) 20D-1C20N1(12V)	
SANYU Part / No.		MFS-E1T05G(5V) MFS-E1T12G(12V)	UF-1T05(5V) UF-1T12(12V)		ST-E1T05BD-40(5V) ST-E1T12BD-40(12V)
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		7.6 x 4.9 x 11.0	10.1 x 5.0 x 15.5	20.3 x 5.0 x 6.0	20.3 x 5.0 x 9.0
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form C (1A+1B)	1 Form C (1A+1B)	1 Form C	1 Form C (1A+1B)
	Coil Rating Voltage	5 V / 110Ω 12 V / 550Ω	5 V / 130Ω 12 V / 680Ω	5 V / 150Ω 12 V / 900Ω	5 V / 230Ω 12 V / 1000Ω
	Contact Rating	10 W	10 W	3 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	0.25 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	0.5 Amp	1.3 Amp
	Switching Voltage	100 VDC	200 VDC	100 VDC	200 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	300 VDC
	Contact Resistance	170 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.
	Operate Time	0.5 mS	1.0 mS	1.0 mS	0.5 mS
	Release Time	0.5 mS	1.0 mS	2.0 mS	0.5 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 100×10 ⁶ (R負荷)	DC.1.0V,10mA 1500×10 ⁶ (R負荷)
High-frequency response		2.0GHz @ -3dB			
外觀尺寸	DIMENSION				

TPM Part / No.		21D-1E12E0(5V) 21D-1E22E0(12V) 21D-1E32E0(24V)	110D-1C10D0(5V) 110D-1C20D0(12V)		
SANYU Part / No.		ST-105LDA(5V) ST-112LDA(12V) ST-124LDA(24V)		UC-2T05ZA-01(5V) UC-2T12ZA-01(12V)	UC-2T05NAG-01(5V) UC-2T12NAG-01(12V)
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		20.3 x 5.0 x 9.5	19.9 x 7.6 x 7.0	10.16 x 7.62 x 8.7	10.16 x 7.62 x 9.6
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form C (1A+1B)	1 Form C	2 Form C (A+B)	2 Form C (A+B)
	Coil Rating Voltage	5 V / 90Ω 12 V / 600Ω 24 V / 1800Ω	5 V / 200Ω 12 V / 500Ω	5 V / 150Ω 12 V / 600Ω	5 V / 150Ω 12 V / 600Ω
	Contact Rating	10 W	3 W	10 W	10 W
	Contact Current	0.5 Amp	0.2 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	0.5 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	30 VDC	100 VDC	100 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹⁰ Ω min.	10 ¹⁰ Ω min.	10 ¹¹ Ω min.	10 ¹¹ Ω min.
	Operate Time	1.0 mS	2.0 mS	0.3 mS	0.3 mS
	Release Time	1.0 mS	2.2 mS	0.3 mS	0.3 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 50×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

TPM Part / No.		7E-2E12D1-01(5V) 7E-2E22D1-01(12V)	7E-4A12N1-01(5V) 7E-4A22N1-01(12V)	22D-2C10N0(5V) 22D-2C20N0(12V)	23E-3A20N2-52(12V)
SANYU Part / No.		SC-E2T05Z(5V) SC-E2T12Z(12V)	SC-E4A05Z(5V) SC-E4A12Z(12V)	ST-2C05A(5V) ST-2C12A(12V)	
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		12.7 x 7.6 x 10.0	12.7 x 7.6 x 10.0	20.3 x 5.0 x 9.2	20.3 x 5.0 x 9.0
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	2 Form C (A+B)	4 Form A	2 Form C (A+B)	3 Form A
	Coil Rating Voltage	5 V / 150Ω 12 V / 600Ω	5 V / 150Ω 12 V / 600Ω	5 V / 175Ω 12 V / 1000Ω	12 V / 700Ω
	Contact Rating	10 W	10 W	3 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	0.2 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	0.5 Amp	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	100 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	250 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹⁰ Ω min.	10 ¹² Ω min.
	Operate Time	0.5 mS	0.5 mS	1.5 mS	0.5 mS
	Release Time	0.5 mS	0.5 mS	2.0 mS	0.25 mS
	Operating temperature				-40°C to +125°C
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 50×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

TPM Part / No.		104E-1A10N2(5V) 104E-1A20N2(12V)	104E-2A10N2(5V) 104E-2A20N2(12V)	104E-1T12N1(5V) 104E-1T22N1(12V)	104E-1T10N2(5V) 104E-1T20N2(12V) (DC Performance)
SANYU Part / No.					
外觀形狀 Appearance					
尺寸 Size (L×W×H) mm		10.16 x 3.81 x 7.0	11.43 x 3.81 x 9.1	11.43 x 3.81 x 9.1	11.43 x 3.81 x 9.1
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	1 Form A	2 Form A	1 Form C (1A+1B)	1 Form C (1A+1B)
	Coil Rating Voltage	5 V / 250Ω 12 V / 800Ω	5 V / 100Ω 12 V / 600Ω	5 V / 80Ω 12 V / 500Ω	5 V / 80Ω 12 V / 500Ω
	Contact Rating	10 W	10 W	10 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	100 VDC
	Contact Voltage	250 VDC	200 VDC	200 VDC	200 VDC
	Contact Resistance	200 mΩ	200 mΩ	200 mΩ	200 mΩ
	Insulation Resistance	10 ¹² Ω min.	10 ¹² Ω min.	10 ¹¹ Ω min.	10 ¹² Ω min.
	Operate Time	0.35 mS	0.35 mS	0.5 mS	0.5 mS
	Release Time	0.25 mS	0.25 mS	0.5 mS	0.5 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)	DC.1.0V,10mA 300×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION				

TPM Part / No.		40D-4A12N1(5V) 40D-4A22N1(12V)	42D-4A12N1(5V) 42D-4A22N1(12V)	40D-6A12N1(5V) 40D-6A22N1(12V)	43D-6A12N1(5V) 43D-6A22N1(12V)
SANYU Part / No.		SSP-1405RFA(5V) SSP-1412RFA(12V)			
外觀形狀 Appearance		ATE Grade 	ATE Grade 	ATE Grade 	ATE Grade 
尺寸 Size (L×W×H) mm		17.7 x 12.7 x 9.8	17.7 x 12.7 x 9.8	17.7 x 17.7 x 9.8	17.7 x 17.7 x 9.8
回路接續圖 Figure.(TOP VIEW)					
電氣規格	Contact Form	4 Form A (1-4, 4Drives)	4 Form A (4-4, 4Drives)	6 Form A (1-6, 6Drives)	6 Form A (6-6, 6Drives)
	Coil Rating Voltage	5 V / 120Ω 12 V / 600Ω	5 V / 120Ω 12 V / 600Ω	5 V / 120Ω 12 V / 600Ω	5 V / 120Ω 12 V / 600Ω
	Contact Rating	10 W	10 W	10 W	10 W
	Contact Current	0.5 Amp	0.5 Amp	0.5 Amp	0.5 Amp
	Carry Current	1.0 Amp	1.0 Amp	1.0 Amp	1.0 Amp
	Switching Voltage	100 VDC	100 VDC	100 VDC	100 VDC
	Contact Voltage	200 VDC	200 VDC	200 VDC	200 VDC
	Contact Resistance	150 mΩ	150 mΩ	150 mΩ	150 mΩ
	Insulation Resistance	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹¹ Ω min.	10 ¹¹ Ω min.
	Operate Time	0.35 mS	0.35 mS	0.35 mS	0.35 mS
	Release Time	0.25 mS	0.25 mS	0.25 mS	0.25 mS
	Operating temperature				
	Reflow temperature				
電氣壽命 (代表例) Electrical Life		DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)	DC.1.0V,10mA 1000×10 ⁶ (R負荷)
High-frequency response					
外觀尺寸	DIMENSION	